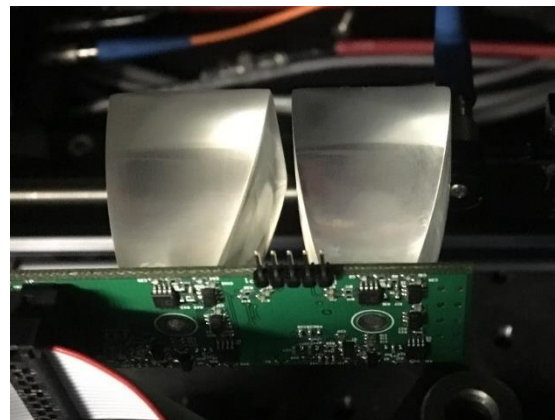
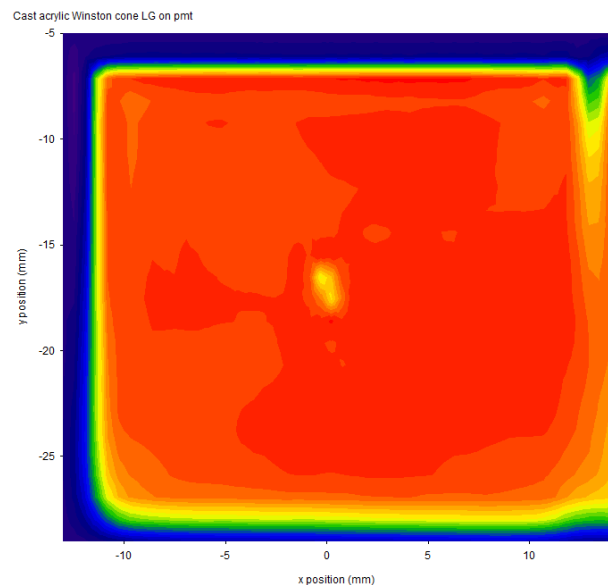


# Light Guide Uniformity Measurements update

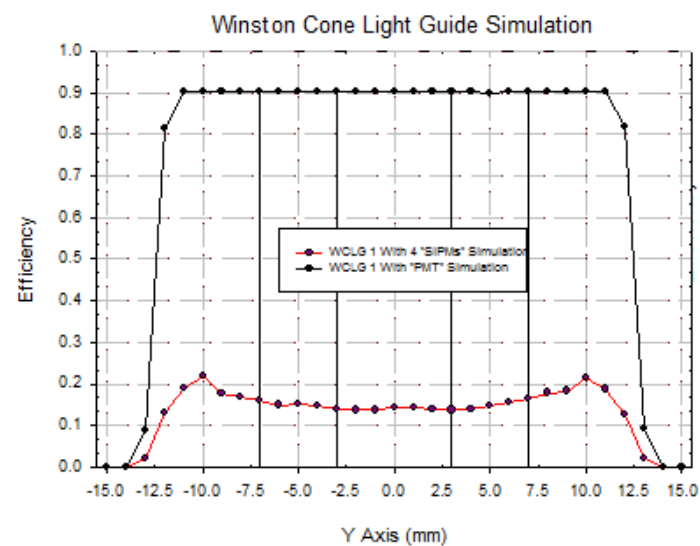
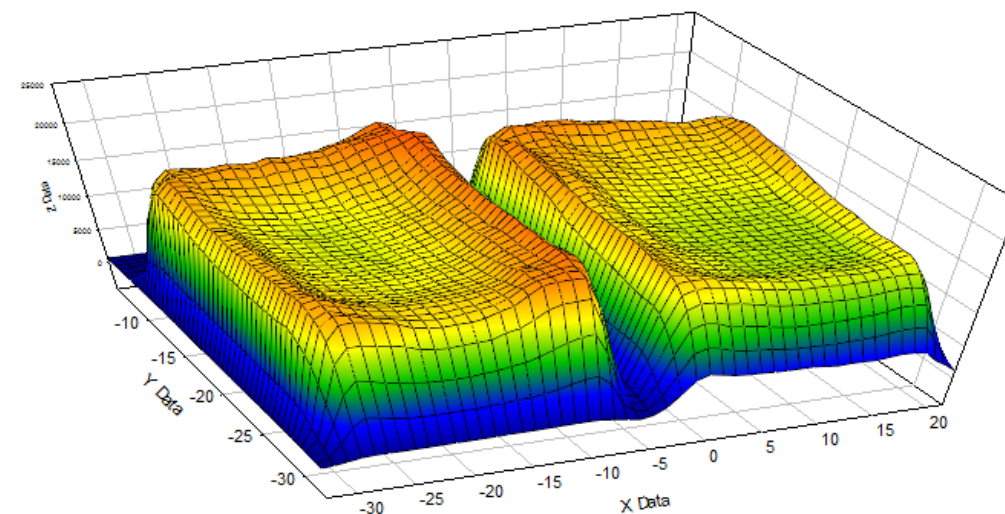
5/2/2017

# Winston cone based design – cast acrylic

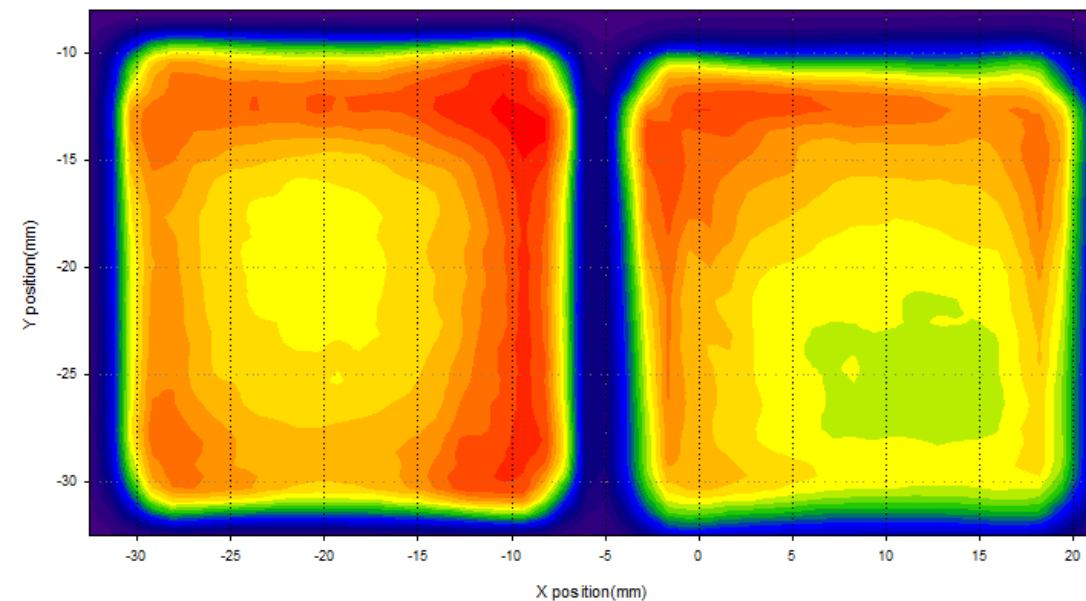
w/ pmt



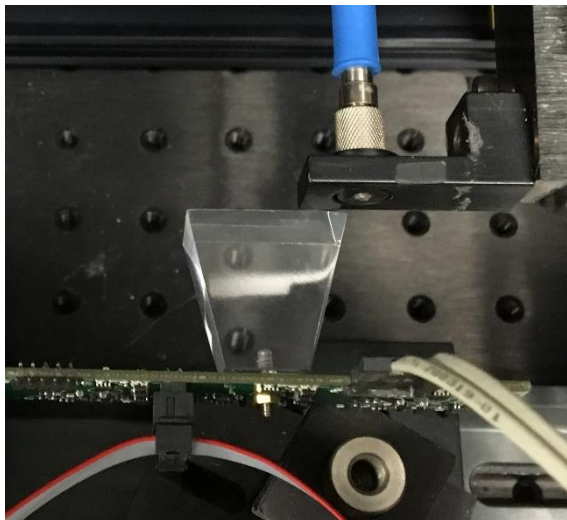
w/ 4 sipms:



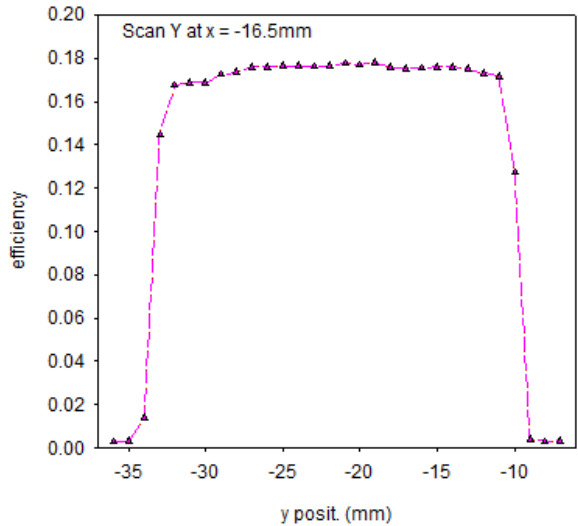
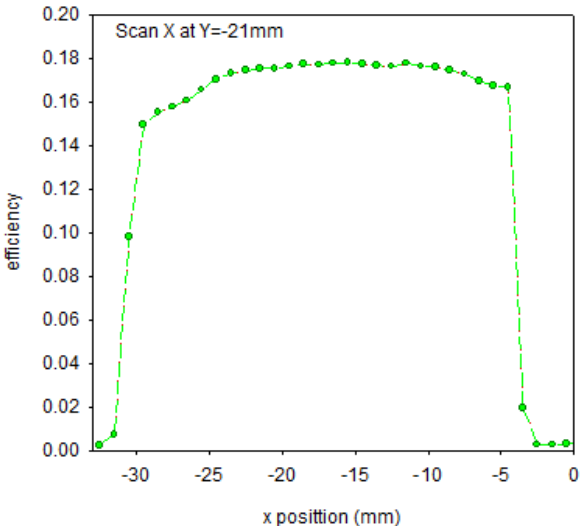
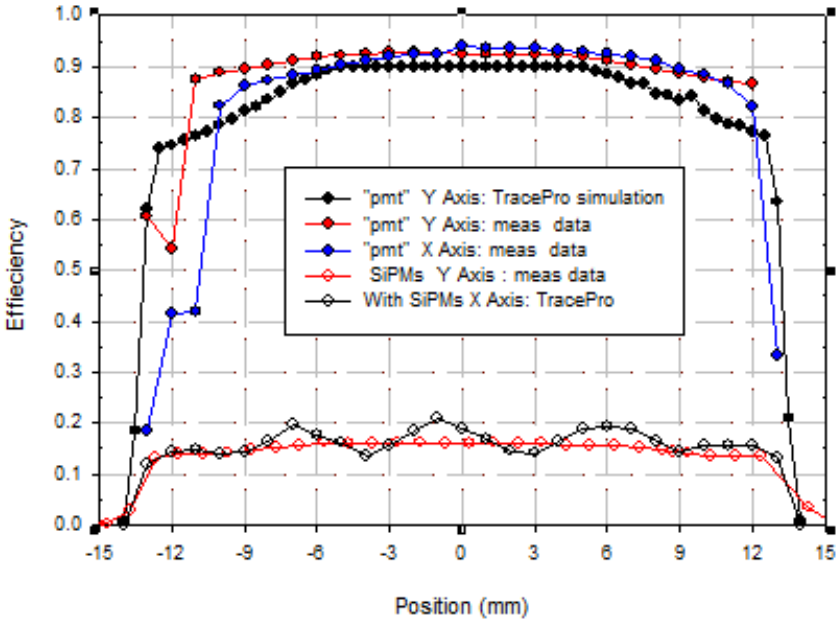
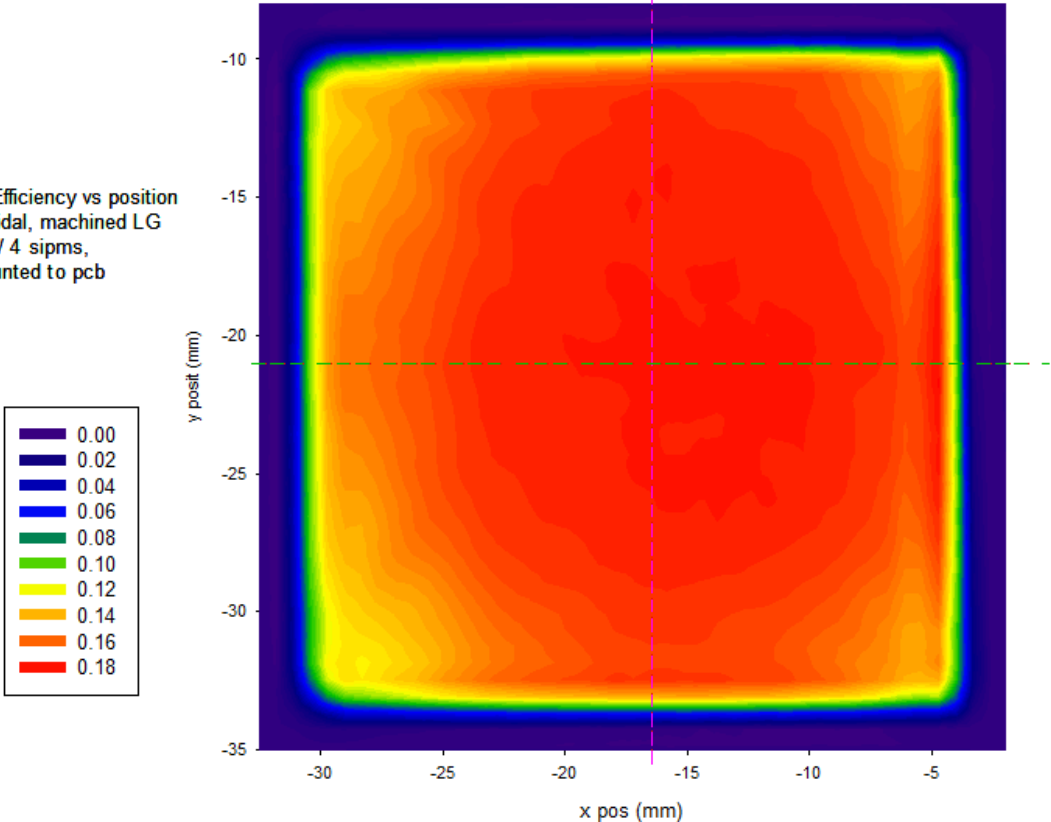
Cast acrylic light guides - Winston cone based design - (LGWC1)



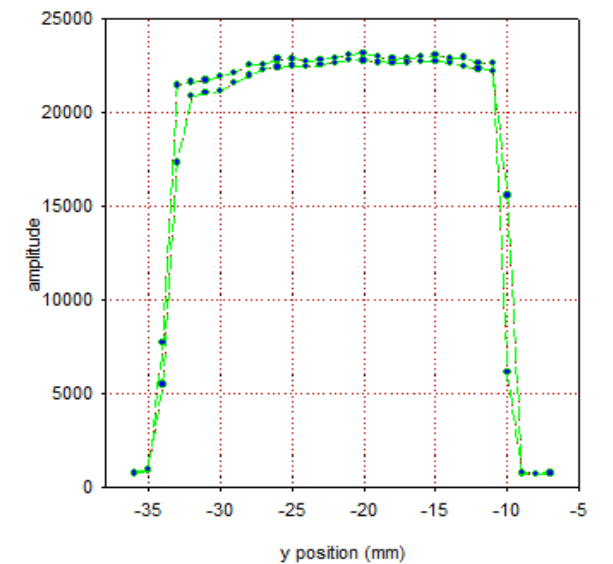
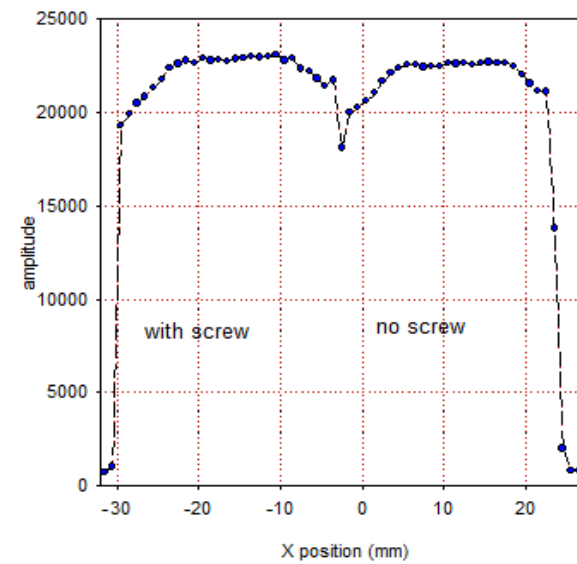
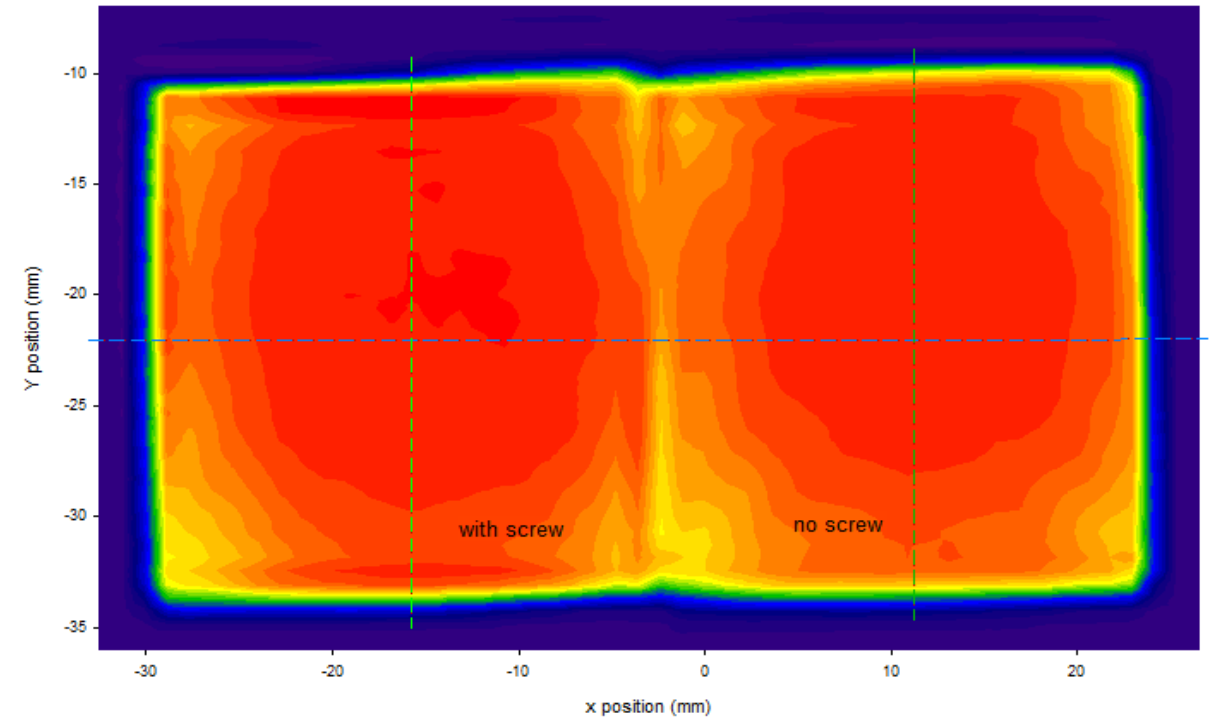
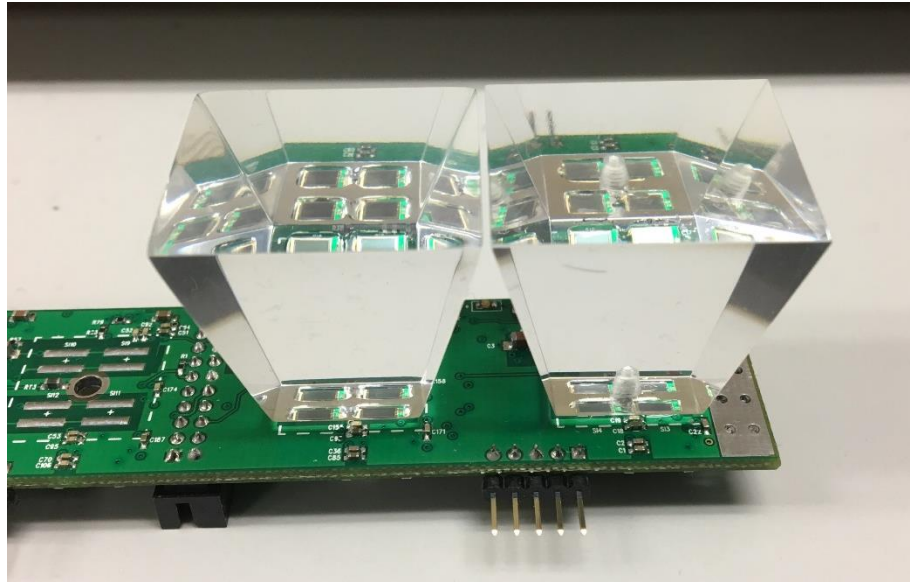
# Uniformity Scan of machined trapezoidal LG



Absolute Efficiency vs position  
1" trapezoidal, machined LG  
read out w/ 4 sipms,  
screw-mounted to pcb



Machined 1" trapezoidal lightguides / 4 sipms / Lumisil 590 couplant



## Scans of 1" machined, trapezoidal light guide – single sipm response map

